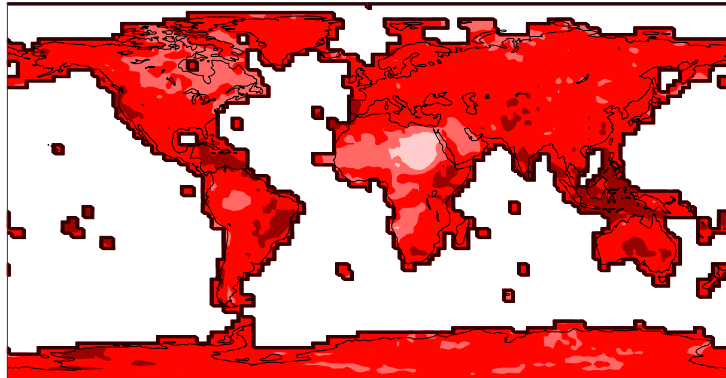


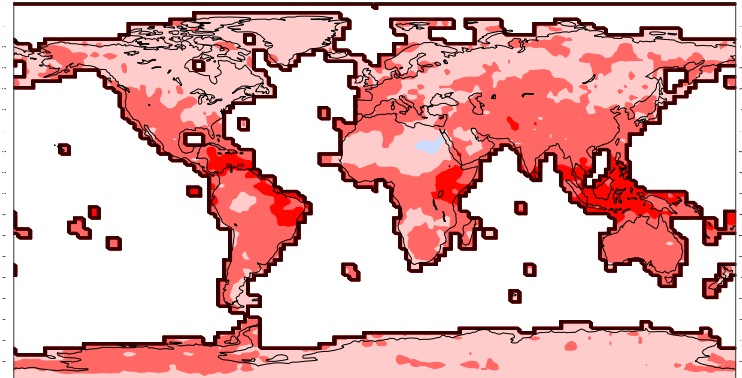
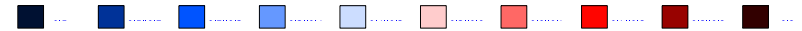
ROC Area - ECMWF extended-range forecasts 2010-2020

Probability of precipitation in upper tercile.

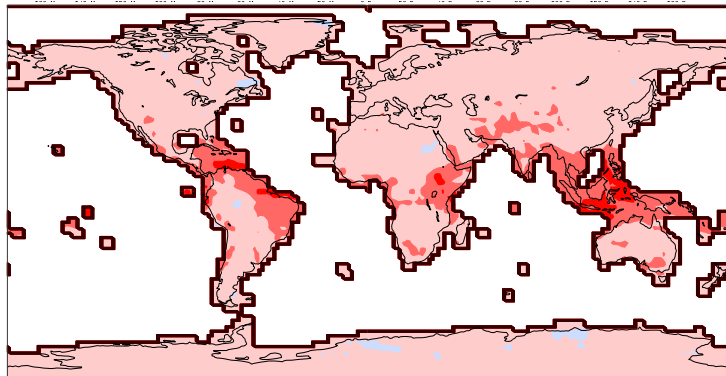
Day 5-11



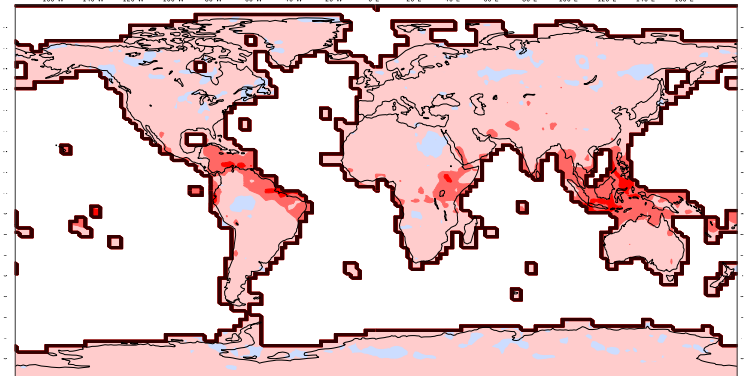
Day 12-18



Day 19-25



Day 26-32

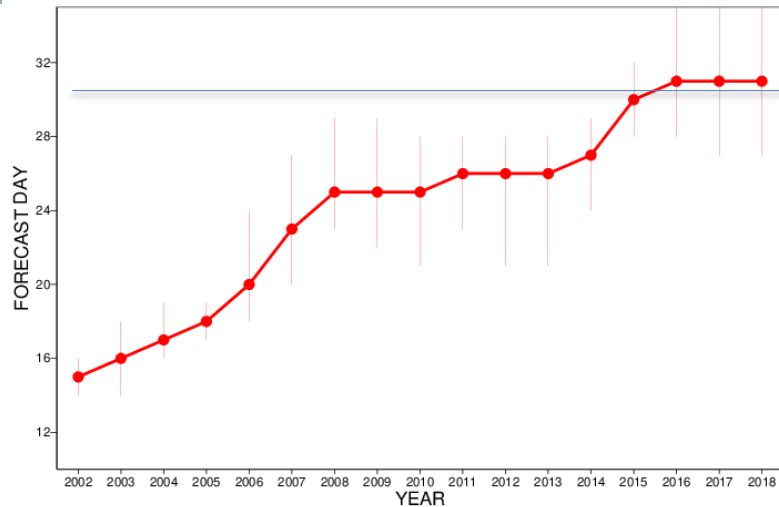


Evolution of skill scores

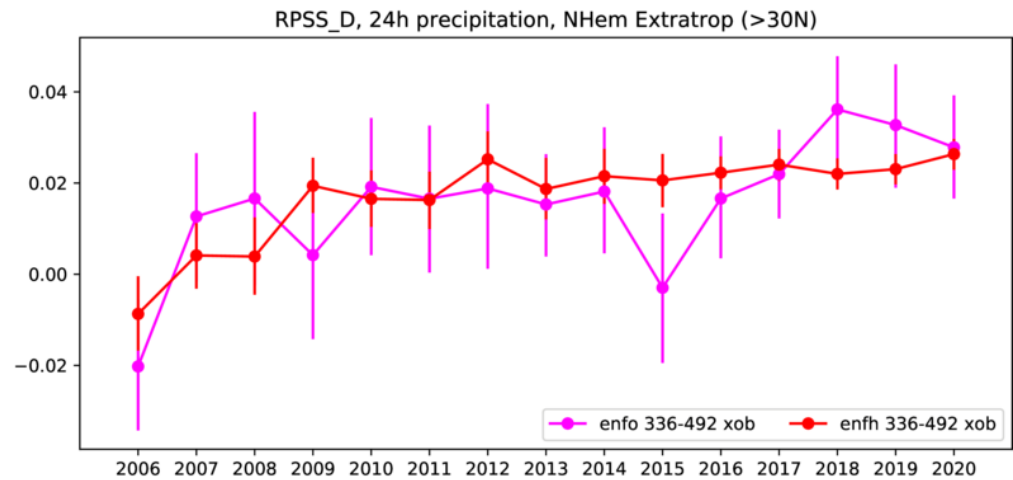
Prediction of some important sources of S2S predictability, such as the MJO, has improved significantly over the past decade, but not the prediction of precipitation over the northern Extratropics.

MJO RMMS

Bivariate correlation reaching 0.6



RPSS Precipitation North America – Day 19-25

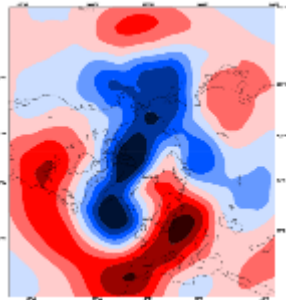


Impact of the MJO on the N. Extratropics

Composites of Z500 3rd pentads after an MJO in Phase 3 NDJFM

3 pentads after MJO in phase 3

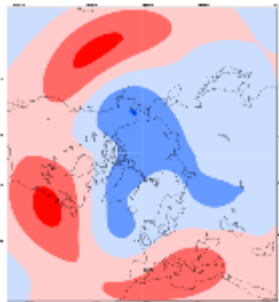
EI 0.48



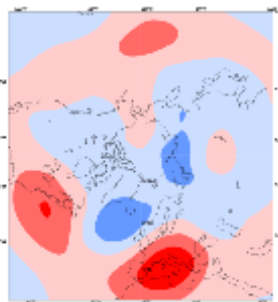
NAO Index: mean=0,
std=1.02



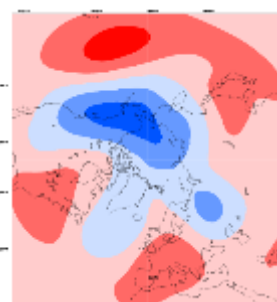
BoM 0.15



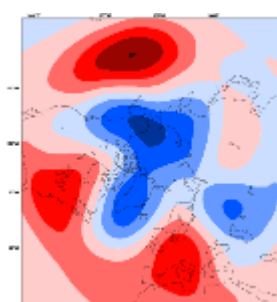
CMA 0.14



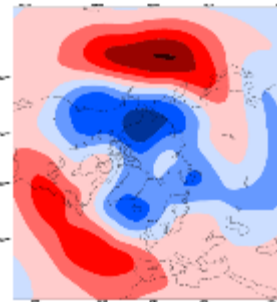
HMCR 0.13



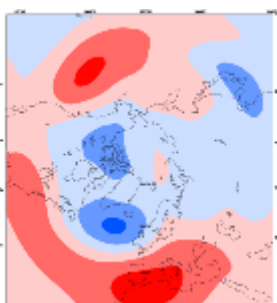
NCEP 0.32



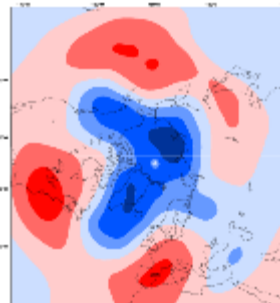
ISAC 0.25



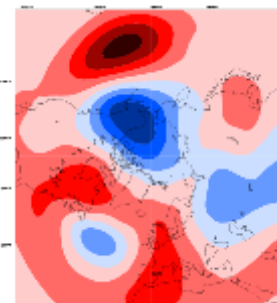
CNRM 0.15



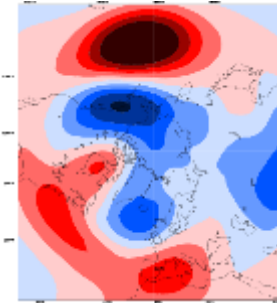
UKMO 0.28



JMA 0.22



ECCC 0.21



ECMWF 0.31

